



Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/522,879
Filing Date	September 30, 2005
First Named Inventor	Lyubov RYABOVA, et al.
Art Unit	1652
Examiner Name	Rebecca E. Prouty
Attorney Docket Number	58763.000029

Sheet 1 of 2

### OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
/RP/	1.	O'Callaghan, et al., "Novel Method for Detection of $\beta$ -Lactamases by Using a Chromogenic Cephalosporin Substrate", Antimicrobial Agents and Chemotherapy, Vol. 1, No. 4, pg. 283-288, April 1972.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	2.	Roberts and Paterson, "Efficient Translation of Tobacco Mosaic Virus RNA and Rabbit Globin 9S RNA in a Cell-Free System from Commercial Wheat Germ", Proc. Nat. Acad. Sci. USA, Vol. 70, No. 8, pg. 2330-2334, August 1973.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	3.	Zubay, "In vitro Synthesis of Protein in Microbial Systems", Annu. Rev. Genet., Vol. 7, pg. 267-287, 1973.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	4.	Pelham and Jackson, "An Efficient mRNA-Dependent Translation System from Reticulocyte Lysates", Eur. J. Biochem., Vol. 67, pg. 247-256, 1976.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	5.	Chambliss, et al., "Bacterial <i>in Vitro</i> Protein-Synthesizing Systems", Methods in Enzymology, Vol. 101, pg. 598-605, 1983.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	6.	Nyren and Lundin, "Enzymatic for Continuous Monitoring of Inorganic Pyrophosphate Synthesis", Analytical Biochemistry, Vol. 151, pg. 504-509, 1985.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	7.	Spirin, et al., "A continuous Cell-Free Translation System Capable of Producing Polypeptides in High Yield", Science, Vol. 242, pg. 1162-1164, 1988.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	8.	Nakano, et al., "An Increased Rate of Cell-Free Protein Synthesis by Condensing Wheat-germ Extract with Ultrafiltration Membranes", Biosci. Biotech. Biochem., Vol. 58, No. 4, pg. 631-634, 1994.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	9.	Kawarasaki, et al., "A Long-Lied Batch Reaction System of Cell-Free Protein Synthesis", Analytical Biochemistry, Vol. 226, pg. 320-324, 1995.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	10.	Ryabova, et al., "Acetyl phosphate as an Energy Source for Bacterial Cell-Free Translation Systems", Analytical Biochemistry, Vol. 226, pg. 184-186, 1995.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	11.	Kim and Choi, "A Semicontinuous Prokaryotic Coupled Transcription/Translation System Using a Dialysis Membrane", Biotechnol. Prog., Vol. 12, pg. 645-649, 1996.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE /Rebecca Prouty/

DATE CONSIDERED 02/04/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			YES	NO
/RP/	12.	Kim, et al., "A highly efficient cell-free protein synthesis system from <i>Escherichia coli</i> ", Eur. J. Biochem., Vol. 239, pg. 881-886, 1996	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	13.	Yao, et al., "Biochemical Energy Consumption by Wheat Germ Extract during Cell-Free Protein Synthesis", Journal of Fermentation and Bioengineering, Vol. 84, No.1, pg. 7-13, 1997.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	14.	Patnaik and Swartz, "E. coli-Based In Vitro Transcription/Translation: In Vivo-Specific Synthesis Rates and High Yields in a Batch System", BioTechniques, Vol. 24, No.5, pg. 862-868, May 1998.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	15.	Karamohamed, et al., "Production, Purification, and Luminometric Analysis of Recombinant <i>Saccharomyces cerevisiae</i> MET3 Adenosine Triphosphate Sulfurylase Expressed in <i>Escherichia coli</i> ", Protein Expression and Purification, Vol. 15, pg. 381-388, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	16.	Kigawa, et al., "Cell-free production and stable-isotope labeling of milligram quantities of proteins", FEBS Letters, Vol. 442, pg. 15-19, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	17.	Kim, et al., "Prolonging Cell-Free Protein Synthesis with a Novel ATP Regeneration System", Biotechnology and Bioengineering, vol. 66, No. 3, pg. 180-188, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	18.	Kim and Swartz, "Prolonging Cell-Free protein Synthesis by Selective Reagent Additions", Biotechnol. Prog. Vol. 16, pg. 385-390, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	19.	Kim and Choi, "Expression-independent consumption of substrates in cell-free expression system from <i>Escherichia coli</i> ", Journal of Biotechnology, Vol. 84, pg. 27-32, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	20.	Madin, et al., "A Highly efficient and robust cell-free protein synthesis system prepared from wheat embryos: Plants apparently contain a suicide system directed at ribosomes", PNAS, Vol. 97, No. 2, pg. 559-564, January 18, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
/RP/	21.	Shimizu, et al., "Cell-free Translation reconstituted with purified components", Nature Biotechnology, Vol. 19, pg. 751-755, August 2001.	<input type="checkbox"/>	<input type="checkbox"/>
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